

EUROPEAN POWER PLANT DATABASE

EUROPE-WIDE DIRECTORY OF CONVENTIONAL POWER PLANTS OVER 20 MW

The contemporary directory of all power plants in Europe is the basic for building a merit-order model in order to simulate the electricity market, or in carrying out statistical analyses of the power generating sector.

The directory includes an extensive and up-to-date database with data on plant efficiency and it is regularly being updated.



Content of the power plant database

Number of entries by energy source*

- Lignite: 420 (85 GW net)
- Hard coal: 759 (159 GW net)
- Natural gas: 1427 (269 GW net)
- Oil: 681 (76 GW net)
- Uranium: 175 (156 GW net)

Type of data

- Name of the power plant unit
- Type of the power plant (Open Cycle Gas Turbine [OCGT], Combined Cycle Gas Turbine [CCGT], Steam Turbine [ST])
- Country
- Geo position (Latitude and Longitude)
- Year of commissioning and, if applicable, year of shutdown
- Capacity (gross, net)
- Efficiency (net)
- Fuel type

Geographical scope and size

- EU 27, Albania, Bosnia Herzegovina, Macedonia, Montenegro, Norway, Switzerland, Serbia, Turkey and UK
- All power plants with a net electrical capacity of 20 MW or more

Data format

- CSV-Format

Update-Service

- The database is updated once per quarter

*as of March 2022

ENERGY BRAINPOOL

THE ENERGY MARKET EXPERTS

We are the independent energy market experts with focus on electricity and energy trading in Europe. Our expertise includes **analysis, forecasting** and **modeling** of energy markets and prices, scientific and practice-oriented **studies, individual consulting** as well as **expert trainings** for the energy sector.

For over 19 years, we have been combining substantial knowledge and competence with practical experience in the area of controllable and fluctuating power.

Who are we?

- 27 team members
- founded in 2003
- located in Berlin
- independent and all-party



What are the topics?

- risks are increasing
- change of energy markets
- fundamental different price structures
- new revenues and business models

What's next?




- innovative business models needed
- investment and financing at risk
- high demand of additional capacity
- change in heat and mobility



How do we support you?

- training and simulation games
- analysis and scenarios
- individual consulting
- workshops and studies

Our aim is to combine our expertise in the fields of analysis, consultancy and training in individual solutions to set the course for future business success.

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